

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1 to 8 (cancelled)

Claim 9 (currently amended) The improvement to a process for fabricating an optical fiber having the steps of:

providing a core doped with active species;

providing an inner cladding surrounding the core, the inner cladding having a first polygon profile with equal interior angles with discrete sides adjoining one another at a first set of angles wherein light ~~can be reflected within the inner cladding about the core doped with active species along paths having~~ has local modes which do not intersect the core doped with active species;

providing an outer cladding surrounding the inner cladding for the confinement of light within the inner cladding;

whereby only the inner cladding transmits light and the outer cladding does not transmit light;

the improvement to the process for fabricating an optical fiber comprising the additional steps of:

altering the first polygon profile with equal interior angles of the inner cladding ~~to into a second asymmetric and symmetry broken~~ skewed or distorted polygon profile having a second set of angles ~~about the core doped with active species, the second asymmetric and symmetry broken~~ skewed or distorted polygon profile of the inner cladding departing from the first polygon profile with equal interior angles with the first set of angles by having small angular changes to at least two of the angles whereby the polygon has a second set of angles with the local modes of ~~continuing the~~ reflection within the inner cladding minimized and destroyed; and,

changing at least one boundary of the ~~asymmetric and symmetry broken polygon~~
~~to the shape of an arc~~ skewed or distorted polygon to the shape of an arc.

Claim 10. (currently amended) The improvement to a process for
fabricating an optical fiber according to claim 9 and wherein:

the first polygon profile with equal interior angles is a rectangle.